

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Rev 1

<input type="checkbox"/> <u>New contract</u>	<input type="checkbox"/> <u>OTR</u>	<input type="checkbox"/> <u>CO</u>	<input type="checkbox"/> <u>SS</u>	<input type="checkbox"/> <u>BW</u>	<input checked="" type="checkbox"/> <u>Emergency</u>	<div style="border: 1px solid black; padding: 2px; width: 150px;">Previous Contract/Project No. None</div>
<input type="checkbox"/> <u>Re-Bid</u>	<input type="checkbox"/> <u>Other</u>	LIVING WAGE APPLIES: <u> </u> YES <input checked="" type="checkbox"/> NO				

Requisition/Project No: ROWS1200014

TERM OF CONTRACT: UPON COMPLETION

Requisition/Project Title: EMERGENCY REHABILITATION OF 96" PCCT

Description: REHABILITATE 3 LENGTHS OF 96" PRESTRESSED CONCRETE CYLINDER PIPE AT SW 68TH ST. AND 102ND AV.

User Department: WATER AND SEWER

Issuing Department: ISD / PM

Estimated Cost: \$323,026

Contact Person: MAGGIE REYNALDOS; 305-375-4435; MTC@MIAMIDADE.GOV

Funding Source: Proprietary Revenue

ANALYSIS

Commodity/Service No: 909 (BUILDING CONSTRUCTION SERVICES)		SIC:	
Trade/Commodity/Service Opportunities			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">Contract/Project History of Previous Purchases For Previous Three (3) Years Check Here <input checked="" type="checkbox"/> If this is a New Contract/Purchase with no Previous History</div>			
EXISTING		2ND YEAR	3RD YEAR
Contractor:			
Small Business Enterprise:			
Contract Value:			
Comments:			
Continued on another page (s): <u> </u> Yes <input checked="" type="checkbox"/> No			

RECOMMENDATIONS

SBE	Set-Aside	Sub-Contractor Goal	Bid Preference	Selection Factor
		%		
		%		
		%		
		%		

Basis of Recommendation:

Signed: 

Date to DBD: 6/20/12

Date Returned to DPM:

Walters, Vivian (SPEE)

From: Walters, Vivian (SPEE)
Sent: Wednesday, June 20, 2012 3:56 PM
To: Reynaldos, Maggie (ISD)
Cc: Pruna, Basia (ISD); Hicks, Gregory D. (WASD); Johnson, Laurie (SPEE)
Subject: RE: RQWS1200014; Emergency Rehabilitation of PCCP at SW 68 St. & 102 Av.

Please proceed with the "**Procurement Process**" for the subject project. The signed worksheet with a "**No Measure**" (due to the "**Emergency**" nature of this project – ***work already completed*** – pg 2 of 3), will be forwarded once available.

Advise as to any "*error, omissions, and/or misunderstanding*".

Regards,

Vivian O. Walters, Jr.

Contract Development Specialist II
Regulatory and Economic Resources Department
Small Business Development Division
111 NW 1st Street #19 Floor
Miami, FL 33128
walterv@miamidade.gov

☎ Office (305) 375-3138 | 📠 Fax (305) 375-3160
"Delivering Excellence Every Day"

"For the New Project Review & Analysis Process"



Click on our new website

<http://www.miamidade.gov/sba/about-project-review-and-analysis.asp>

Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statute concerning public records. E-mail messages are covered under such laws and thus subject to disclosure.



From: Reynaldos, Maggie (ISD)
Sent: Wednesday, June 20, 2012 3:09 PM
To: Walters, Vivian (SPEE)
Cc: Pruna, Basia (ISD); Hicks, Gregory D. (WASD)
Subject: RQWS1200014; Emergency Rehabilitation of PCCP at SW 68 St. & 102 Av.

Hello Vivian,

Please review and process this item in accordance with the guidelines for emergency purchases. Let me know if you need additional documentation, or if you have any questions. Thank you.

Maggie Reynaldos, CPPB

Procurement Officer

Internal Services Department

Miami-Dade County

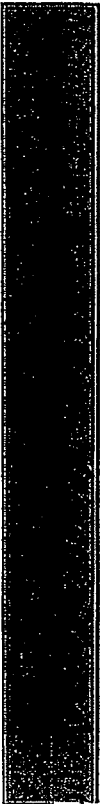
111 N.W. First Street, Suite 1300 Miami, FL 33128-1989

Telephone: 305-375-4435; Fax: 305-375-4407

E-mail: mtc@miamidade.gov

Visit our Website at www.miamidade.gov/dpm

Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. E-mail messages are covered under such laws and thus subject to disclosure. All E-mail sent and received is captured by our servers and kept as a public record.



CONTACT: MIKE HERNANDEZ, W & S Purchasing Specialist

WATER & SEWER PROCUREMENT

3071 SW 38 Ave. 1st Floor MIAMI, FLA. 33136

PHONE: (786) 552-8803 FAX: (786) 552-8897

EMERGENCY FIBRWRAP

Tally For WASD Trac

DATE: 10/31/11

Vendor Name	Total From Quote	Comments	LPT	Total For Evaluation	Rank
1 Fibrwrap	\$309,026.00	Fibrwrap			
	\$6,500.00	2 yr bond			
	\$7,500.00	Pure rep to mark pipes			

Bid Award Recommended Signature



SECTION #3
EMERGENCY PURCHASES

NOTE TO DEPARTMENTS: COMPLETE ITEMS MARKED WITH (▶)

▶ REQUISITIO#: RQWS1200014

P.O. #: _____

BCC DATE: _____

▶ ACQUISITION DATE (Date Order Is Placed): 11/07/11

▶ TITLE:	Fibwrap Carbon Reinforced Polymer (CFRP) Internal Rehabilitation of 96-inch Prestressed Concrete Cylinder Pipe (PCCP)
▶ DESCRIPTION:	Supply and install Fyfe Company LLC Tyfo SCH Fibwrap system to strengthen three (3) lengths of "Priority 1" 96-inch PCCP Raw Water Main located in the vicinity of S.W. 68th Street and S.W. 102nd Avenue. Priority One category which means the PCCP Pipes are either at high risk or very high risk of imminent and catastrophic rupture and failure.
▶ PURPOSE:	To internally reinforce and restore the pressure integrity condition of three (3) lengths of 96 inch PCCP raw water main in the area located S.W. 68 th Street and S.W. 102nd Avenue. The three (3) lengths were identified as "Priority 1" from a pipeline condition assessment report from Pure Technologies and the rehabilitation performed by Fibwrap Construction.

▶ Department(s):	▶ Allocation(s):
MDWASD	\$ 323,026.00

▶ TERM OF CONTRACT:	<input type="checkbox"/> One <input type="checkbox"/> Two <input type="checkbox"/> Three <input type="checkbox"/> Four <input type="checkbox"/> Five *Year(s)
	Months
	<input type="checkbox"/> Contract Period From _____ to _____
	<input checked="" type="checkbox"/> Upon Completion * From _____ to _____
	<input type="checkbox"/> Upon Delivery * _____ Days A.R.O. (after Receipt of Order)

Special Conditions:	<input checked="" type="checkbox"/> Insurance Type 07
	<input type="checkbox"/> Performance/Payment Bond
	<input type="checkbox"/> Certificate of Competency
	<input type="checkbox"/> Living Wage Applies

SBE Measures:	<input checked="" type="checkbox"/> None	Review Committee Date: _____	
	<input type="checkbox"/> Set Aside		<input type="checkbox"/> SBE <input type="checkbox"/> Micro Enterprise
	<input type="checkbox"/> Bid Preference		<input type="checkbox"/> SBE <input type="checkbox"/> Micro Enterprise
	<input type="checkbox"/> Goal		<input type="checkbox"/> SBE <input type="checkbox"/> Micro Enterprise
Item #: _____			

▶ **Number of Price Quotation(s): Requested: 1 Received: 1**

Awarded To Low Bidder: * ☒ YES ☐ NO, If "NO", provide explanation in the Comments section

Vendor: <u>Fibwrap Construction Services</u>	Vendor: _____
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Contract Value: \$323,026.00

Did Local Preference affect the outcome of the Award?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO, if "YES", provide detailed explanation in the "Comments" section
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UAP Included: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	• Will CITT Funds be used? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	• Will Federal Funds be used? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Section #3 Emergency Purchases 1-27-05

SECTION #3
EMERGENCY PURCHASES

- If UAP is not included, Attach written approval to waive UAP and provide an explanation in the "Comments" section

Justification and Comments:	<p>To internally reinforce and restore the pressure integrity of three (3) lengths of 96-inch PCCP raw water main in the area located SW 68th Street and SW. 102nd Avenue. A total of three (3) lengths were identified as "Priority 1" from a pipeline condition assessment report utilizing a non-destructive patented technology called Pipe Diver, a free swimming live PCCP inspection tool. This free swimming tool can be inserted into a closed pipeline system and operated for up to 36 hours before requiring retrieval and recharging.</p> <p>The advantage that this technology has over conventional technologies that provide recorded video inspection results is that the Pipe Diver transmits a signal that, when combined with the patented software, is able to detect and locate the number of damaged or broken prestressing wires located inside the PCCP. All of the results and information are presented in a full assessment report that provides summary of damaged segments of the pipe and also ranks them in priority category and quantitative order of number of broken prestressing wires.</p> <p>WASD is continuing to perform condition inspection and assessment reports of all large diameters PCCP piping infrastructure. Three lengths of 96-inch PCCP Raw Water main located at SW 68th Street and SW 102nd Avenue were identified as Priority One category, which means the PCCP Pipes are either at high risk or very high risk of imminent and catastrophic rupture and failure. The three lengths must be immediately rehabilitated using the Fibrwrap process.</p> <p>WASD Director John Renfrow declared an emergency and instructed WASD Assistant Director of Water Ralph Terrero to proceed with the rehabilitation. A proposal dated 10/28/11 is attached along with other documents and correspondence related to this project. Work needed to proceed immediately and the vendor was provided a go ahead on 11/07/12.</p> <p>Because the department anticipated an ongoing requirement for this method of repair and rehabilitation of PCCP pipes, a sub-pool category for this particular method was established on MCC-PROGRAM-7360. It was the departments' intention to process this emergency on that program sub pool; however, because the vendor had changed names, they did not successfully qualify for the sub-pool until 1/20/12. The OCI Unit of PMS will not allow this emergency to be process under the MCC-PROGRAM-7360. Therefore, the department must submit this emergency, after the fact, to obtain the necessary purchase order to pay the vendor for the emergency work successfully performed.</p> <p>Fibrwrap Construction is recognized worldwide for developing innovative techniques to strengthen and repair large diameter pipelines and the Fyfe Company Tyfo System coatings are NSF approved for use in structures containing potable water. Fibrwrap was originally developed for seismic strengthening of bridge columns. Following the successful research and testing for use in both circular and rectangular columns, Fibrwrap has also been successfully tested and used on nearly all concrete structural elements.</p>
Background/Need to Know:	Draft report revealed significant areas of prestressing degradation that required immediate action to avert other potential ruptures and threats to the service pressure integrity of the Countywide water distribution service infrastructure.
Potential Issues:	Failure to take immediate action to the affected 96-inch raw water pipeline would almost assure another catastrophic rupture and potential failure of the entire water distribution system.

SECTION #3
EMERGENCY PURCHASES

► **Signature(s):**

Gregory Hicks, CPPB
Contact Person

6/1/12
Date

(786) 552-8049
Telephone

G. Hicks

John W. King
Department Director Approval

6-14-12
Date

Department of Procurement Management Use Only

Signatures(s):

M. J. Aguinaldo
Procurement Agent

6/20/12
Date

Procurement Supervisor

Date

Procurement Manager

Date

Division Director

Date

Vendor Assistance Section

Date



October 28, 2011

Miguel "Mike" Hernandez
Contracts Compliance Specialist II
Miami-Dade County
Water & Sewer Dept.
3071 SW 38 Avenue, Suite 515
Miami, FL 33146
P: 786-552-8803
E: mighern@miamidade.gov

Quote #FCI - 13307 - 11

SUBJECT: Tyfo Fibrwrap (CFRP) Carbon Reinforced Polymer PCCP Internal Replacement for 96-Inch PCCP at 102 AVE SW 68th St


Dear Mr. Hernandez,

It is a pleasure to provide you the following firm fixed price proposal to supply and install the Fyfe Co., LLC Tyfo SCH Fibrwrap system to replace three (3) "Priority 1" pipes of existing 96" diameter pre-stressed cylinder pipe sections per your request. The PCCP sections are located in Miami-Dade County, Florida. Fibrwrap Construction Services, Inc is licensed, bondable and Fyfe Co., LLC certified, meeting or exceeding all experience requirements. Fibrwrap Construction Services, Inc is the most comprehensively trained applicator of the Fyfe Co., LLC Tyfo Fibrwrap Strengthening Systems.

Section 1 - PROPOSED SCOPE OF WORK

1. Submittal package including design calculations and shop drawings signed and sealed by a licensed Professional Engineer in the State of Florida, project schedule, safety plan, etc.
2. Fibrwrap Construction shall be onsite to perform the work as per agreed to schedule in accordance with Miami Dade shutdown schedule.
3. Mobilize all personnel, equipment and materials for the project.
4. Safety analysis and training shall take place prior to commencement of work as per site-specific requirements.
5. Installation of ventilation shall meet OSHA Mining and Tunneling Title 8 Procedures.
6. Air monitoring and gas monitoring of the pipeline shall meet OSHA and local requirements.
7. De-humidification requirements shall be provided.

FIBRWRAP CONSTRUCTION SERVICES, INC.
4255 East Airport Drive, Ontario, California 91761
P. 909.390.4363 F. 909.390.7030
E. info@fcfp.com www.fclp.com

- 
8. Preparation of necessary surfaces for installation utilizing either a 40,000 psi hydro-blast recovery unit to clean and prepare substrate surface.
 9. Application of thickened layer of Fyfe Co. Tyfo® S primer, NSF 61 certified.
 10. Installation of the Fyfe Co. Tyfo® Carbon Fiber systems, all NSF 61 certified. The pricing provided herein is based on applying one longitudinal layer of Tyfo® SCH 412X followed by four circumferential layers of Tyfo® SCH 412X, for a total of five layers of carbon fiber composite.
 11. Each joint shall be chipped out down to the metallic joint ring, then provided with a dielectric barrier of one layer of Tyfo® SEH (Glass Fiber). This will be followed by bonding of the Carbon Fiber layers to the dielectric barrier. A single band expansion ring shall then be placed into the joint to prevent any leakage; the remainder of the joint groove on top of the expansion ring shall be grouted, resulting in a smooth joint, in line with the internal diameter of the pipe sections.
 12. Upon completion of the application of the carbon fiber composite layers, a final coating of the thickened Tyfo® S Durability Coating shall be applied for added protection over the entire rehabilitated system.
 13. Heating and dehumidification of pipe sections to allow for curing.
 14. Onsite fabrication of sample witness panels.
 15. Testing of 3 panels by an independent testing laboratory per ASTM D3039, if required.
 16. Continuous QA/QC program.
 17. Final clean-up and demobilization from work site shall be performed including but not limited removal of all trash, debris, equipment and Fibrwrap related scopes of work.

Section 2 - PRICING SCHEDULE

Total Cost for Fibrwrap Construction Services...	\$ 309,026.00
Additional 2 year bonded warranty...	\$ 6,500.00

PURE Rep to mark pipes...	\$ 7,500.00
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Taxes are included. Payment: Net 30 days

Section 3 - OWNER TO PROVIDE/EXCLUSIONS:

1. Access to work areas. Buyer to provide lay down area for storage of equipment and materials.
2. Dewatering of pipeline, including low elevation changes.
3. Lock out/Tag out. De-watering and filling of the pipe.
4. Pipe sanitizing, if required.
5. Traffic Control as required

FIBRWRAP CONSTRUCTION SERVICES, INC.
4255 East Airport Drive, Ontario, California 91761
P. 909.390.4363 F. 909.390.7030
E. Info@fcip.com www.fcip.com



6. Condition assessment, structural design or testing of existing materials and structures.
7. Third party QA/QC and inspections.
8. Coordination with local agencies.
9. Permits and liquidated damages.
10. Any other item not specifically included in "Proposed Scope of Work".

Section 4 - ASSUMPTIONS:

1. Fibrwrap will have access to three (3) - 16"X18" boiler manholes.
2. Schedule - Tentative start date of 11-8-11 and completion by 11-17-11
3. Design pressure 150psi with surge pressure rated at 210psi.
 - a. Height = 9ft
 - b. HS20 Loading
 - c. Pv = 0 psi (assumed)
4. Necessary insurance requirements (\$3,000,000 General Liability) and bond costs are included.
5. Fibrwrap Construction will provide a 10 year extended warranty on materials and workmanship and the first 2 will be bonded.
6. All work will be completed internally with the Patented Tyfo Fibrwrap strengthening system and will limit the impact on lane closures.
7. Work will be completed in November 2011.
8. Spools requiring replacement and included in this proposal are identified by PURE numbers: 79, 158 and 413.
9. Miami Dade will provide access at PURE location Numbers: 69, 402 and 425.

If you should have any questions or comments after review of this proposal, please feel free to contact me at any of the following:

D: 626-625-0255
F: 909-390-7030
E: Jason@fcip.com

Sincerely,

Jason Alexander
Fibrwrap Construction Services, Inc.
Vice President/General Manager

FIBRWRAP®

The Future of Construction Technology

INVOICE DATE
11-21-11

DUE DATE
12-21-11

INVOICE NO
3560-13307-11

CONTRACT NO.
PO 073

CUSTOMER NO
MIAMID

JOB NO.
13307-03

TO:

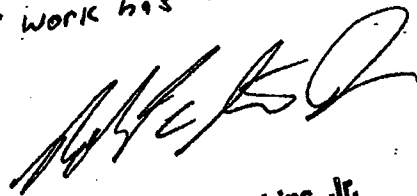
MIAMI DADE WATER & SEWER DEPAR
ACCOUNTS PAYABLE
PO BOX 330316
MIAMI, FL 33233-0316

PROJECT:

MIAMI DADE 96" PCCP
102 AVENUE SW 68TH
MIAMI, FL

DESCRIPTION	UNITS	UOF	PRICE	AMOUNT
CARBON REINFORCED POLYMER PCCP INTERNAL REPLACEMENT PO # P0073	1.00		323026.00	323,026.00

11-22-2011
Construction Contracts Management Division
can attest that all work has been completed
and accepted.



Robert Stebbins, Jr.

PAYMENT TERMS: NET 30 DAYS

AMOUNT BILLED \$323,026.00

PLEASE PAY FROM THIS INVOICE.

RETENTION .00
AMOUNT DUE \$323,026.00

FIBRWRAP Construction Services, Inc.
4255 E. Airport Drive, Ontario, CA 91761
Office (909) 390-4363 Fax: (909) 390-7030

www.fibrwrapconstruction.com

Requisition

Ship To: 1001 NW 11St
Miami FL 33136

Business Unit: WASD1		OPEN
Req ID: 0000080323	Date: 10/31/2011	Page: 1
Requester: Marc Paul - WASD		Currency: USD
Requester Signature		

Line-Schd	Item	Description	Mfg ID	Quantity	UOM	Price	Extended Amt	Due Date
1-1		TYFO FIBRWRAP (CFRP) CARBON REINFORCEMED POLYMER PCCP INTERNAL REPLACEMENT		1.0000	EA	323,026.00	323,026.00	11/17/2011

Vendor: 0000015719 FIBRWRAP CONSTRUCTION SE LLC

Line Total: 323,026.00

Total Requisition Amount: 323,026.00

Approval Signature	Approval Signature	Approval Signature
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